

Total No. of Questions - 22] [Total No. of Printed Pages - 2]

DEC-23-0079

BP-501 T (Medicinal Chemistry-II)

B.Pharm-5th (PCI)

Time : 3 Hours

Max. Marks : 75

Note: This question paper contains three section in all. Section A, B and C. In Section A, all questions are compulsory. From Section B, attempt any two questions and from Section C attempt any seven questions.

SECTION-A

(10×2=20)

Short Answer (Compulsory)

1. Write the name and structure of two anti-histaminic drugs.
2. Write down the mode of action and two drug examples of alkylating agents.
3. Write down the structure and mode of action of verapamil.
4. Write down the name and structure of two loop diuretics.
5. Write down the structure and uses of clofibrate.
6. Write down the category and use of minoxidil and methimazole.
7. Write down the name and structure of two anticoagulant drugs.
8. Write down the category, mode of action and uses of Diltiazem hydrochloride.
9. Write down the structure, mode of action and use of Nandralone.
10. Write down the name and structure of two anti-thyroid drugs.

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SECTION-B

BP-501 T
(2×10=20)

Long Answer (Any Two)

11. Discuss the classification, mode of action and SAR of progestins.
12. Discuss the classification, mode of action and SAR of local anaesthetics.
13. Discuss the classification, mode of action and SAR of thiazide and thiazide like diuretics. Write down the synthesis of furosemide.

SECTION-C

(7×5=35)

Short Note Answer (Any Seven)

14. Write a short note on insulin and its preparations.
15. Write a short note on oral contraceptives.
16. Write down the structure, synthesis, mode of action and use of warfarin.
17. Discuss HMG Co-ase inhibitors highlighting drug examples, mode of action and uses.
18. Write down the structure, synthesis, mode of action and use of disopyramide phosphate.
19. Classify nitrovasodilators and write their uses.
20. Write a note on Angiotensin converting enzyme inhibitors.
21. Classify proton pump inhibitors and write their mode of action.
22. Write down the structure, synthesis, mode of action and use of diphenhydramine hydrochloride.